Section A. Facility Data	
Facility No.	Building 124/129
Facility Descriptor:	Concrete block, concrete, structural metal and tile building, approx. 6000 sq.ft.
Project:	RISS – Area 5 D&D – Type I
Date of Demolition:	Feb. 1 – Mar. 2, 2005
Additional Information:	Sanitary disposal values for 124/129 includes concrete, CMU block walls (without ACM skimcoat), concrete and tile basins, office furniture, structural and miscellaneous metals, glass, piping, pumps, electrical systems. Debris from demo outside of buildings associated with water treatment complex including concrete basins, drying beds, piping, wood power poles, fencing, sidewalks, manholes, concrete pads, asphalt, strainer shed/building, foam filled underground fiberglass and steel diesel fuel storage tanks and associated, piping, concrete, tie-downs, bollards, some soil saturated with diesel fuel. Electrical supply was removed to three feet below grade in accordance with site configuration control procedures. A description of the building's operations and functions is attached, as well as a drawing of the building location.

Section B. Final Characterization Data	
Reconnaissance Level Characterization Report *(concurrence received)*	Reconnaissance Level Characterization Report for Buildings 124/129 - Concurrence, Steven H. Gunderson to Joseph A. Legare, dated January 128, 2005. (Attached)
In-process Characterization	N/A
Pre-Demolition Survey Report *(approval received)*	N/A
Post-Demolition Survey Report *(as necessary)*	N/A

Section C. Waste Data *(complete categories as appropriate)*	
Sanitary Disposal	
Disposal Site:	BFI Foothills 93
Waste Volume (m^3):	3012 m^3
Waste Weight (tons):	2939 tons
Additional Information:	Shipping Dates: Feb. 1 – Mar. 2, 2005
Hazardous Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	
TSCA Waste Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	
Asbestos Waste Disposal	
Disposal Site:	BFI Tower Road
Waste Volume (m^3):	15.3
Additional Information:	One shipment of ACM
Low-Level Waste Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	
Low-Level Mixed Waste Disposal	N/A
Disposal Site:	
Waste Volume (m^3):	
Additional Information:	

Recycled Material	N/A
Recycle Facility:	
Waste Volume (m^3):	
Additional Information:	
Property Disposition	N/A
Receiver Locations *(major items only)*:	
Volume (m^3):	
Weight (tons):	
Additional Information:	

Section D. Approvals		
Kaiser-Hill Project Manager	CJ FREIBURN / [signature]	05/10/05
	Name/Signature	Date

Building 124 and 129 Close Out Report

Description of Operations and Functions

Building Operations and Functions

Building 124 was the water treatment plant for Rocky Flats, a non-transient non-community public water system operated under State of Colorado Permit CO0230055. It had a design capacity of 0.72 MGD, using flocculation/sedimentation and single media rapid sand gravity filtration to treat the potable water supply. Raw water was supplied by the Denver Water Board, primarily from Ralston Reservoir, and delivered via pipeline to a 1.5 MG raw water pond along the west access road. Chemical addition included a flocculent to aid in solids removal, calcium hypochlorite for disinfection and zinc orthophosphate for corrosion control. Building 129 was adjacent to the main filtration facility and housed the microstrainer that filtered the raw water as first entered the treatment process. Finished water was stored in a 0.25 MG clearwell located below Building 124 and extended southward. From the clearwell, finished water was transferred to either a 0.5 MG ground tank or the 0.3 MG water tower, and then into the distribution system.

Solids removed by filtration were back washed into two concrete basins located on the east side of B124. Two additional basins were used for drying the removed solids. Residuals were disposed of as sanitary waste.

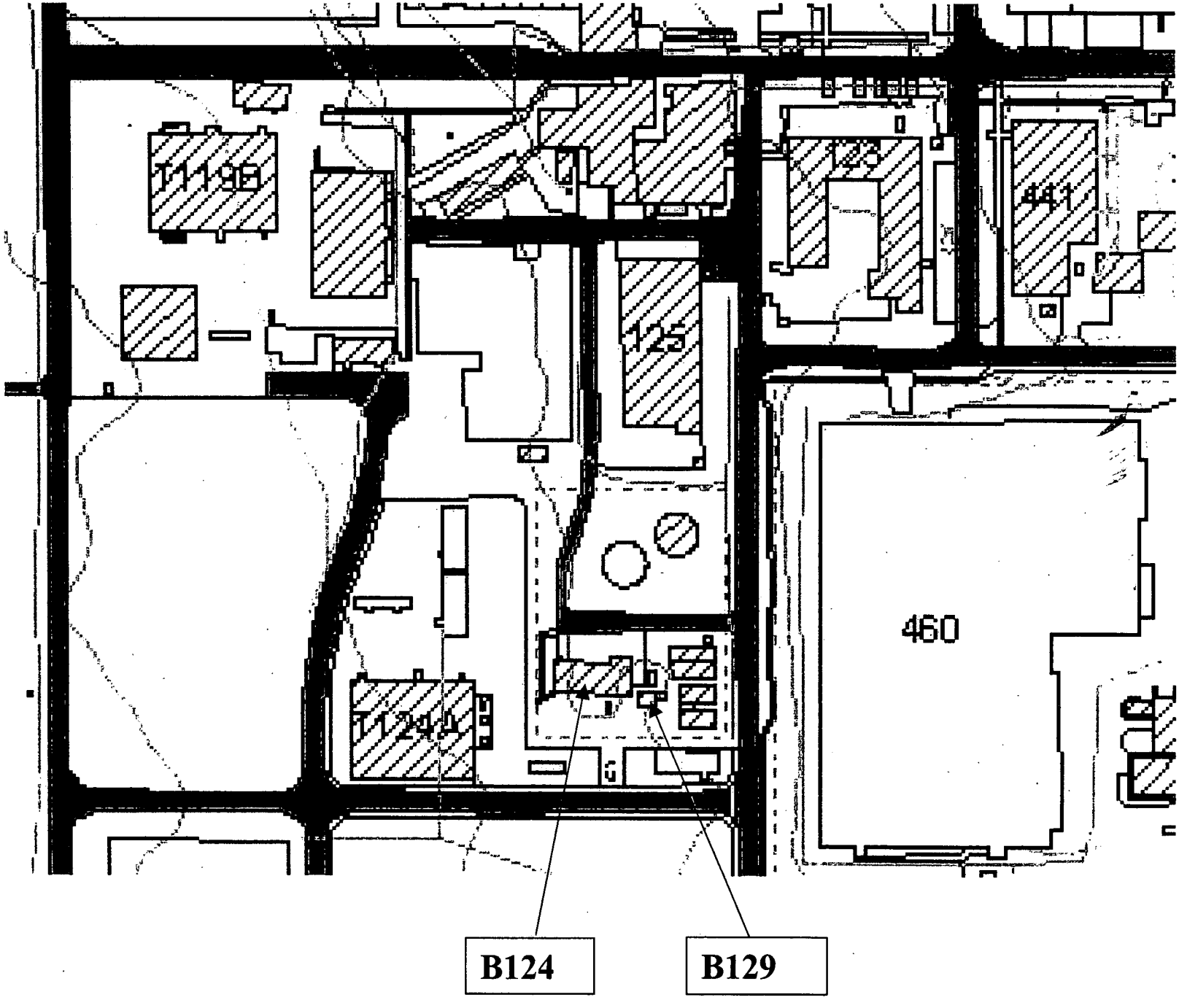
Building Utilities

Building 124 was supplied with electrical power, steam service, telephone, fire alarms, wireless alarms, and sanitary sewage service. All utilities were disconnected from the buildings prior to demolition, and, in the case of the sanitary sewage, the service lines were grouted. Steam service provided heat to the building; the steam lines were insulated with asbestos containing material (ACM), which was removed and disposed of before building demolition (see Figure 2). Approximately 15 cubic meters of ACM were removed from B124.

Clearwell Disposition

In preparation for the demolition of B124, options were considered for the final configuration of the clearwell. The entire clearwell measured 71'X64'X10' – a volume of 45,440 cu. ft. Half of the clearwell was below B124 and the other half was about 10 feet below grade. The roof of the south half of the clearwell was 12 inches thick while that above the north half was only 5 inches thick. Ultimately, it was agreed that the entire volume of the clearwell would be filled with FlowFill, which was completed as part of the demolition.

Figure 1 – Location Map for Buildings 124 and 129



8"SS-PVC
8" CI WATER ISOLATED 9½' DEEP 2/24/05.
2 ea. ¾" Cu WATER ISOLATED 6' DEEP 2/14/05
2" STEAM ISOLATED ABOVE GROUND 3/17/04
12" CI RAW WATER ISOLATED 6' DEEP 12/29/04
10" CI RAW WATER ISOLATED 6' DEEP TO THE WEST NEAR RAW WATER POND 1/11/05.
10" WATER ISOLATED 8' DEEP 2/24/05.
8" PVC SANITARY SEWER PLUGGED AT MANHOLE MH-7 ON 10/11/04.
SLUDGE BEDS
STORAGE TANK D-2A
STORAGE TANK D-2B
THIRD ST.
CEDAR AVE.
124
129
F.O. TANK
MH-2
18" RCP
12" CMP
10"DCW-CI
10"RW-DI
10"RW-CI
8"SS-VCP
10"DCW
12"DCW-DI
2 3/4"DCW-CI
2-8"DCW-CI
12"DCW-CI
12"OS-CI
2"STM-STL
4"SS-PVC
10"RW
1"220VE-PVC
2-1"E-CD
1" E-LIGHT
13.8KV
4"P.I.V.
F2-2G
F2-3G
F2-8G
F2-1G
F2-4G
F2-5G
F2-7G
N35.692
N35.686
N35.681
N35.676
N35.667
N35.660.5
N35.656
N35.636.5
N35.633
N35.620
N35.617.75
N35.600
N35.574
N35.549
N35.544
N35.557.75
N35.522
N35.510
N35.500
N35.603
E18.521.6
N35.560
N35.458
E18.112
E18.191.33
E18.176
E18.234
E18.230.5
E18.240.5
E18.310
E18.320
E18.330
E18.356
E18.352
E18.345
E18.308
E18.290
E18.474
E18.481
E18.500
794
793
RW-1
RW-2
RW-3
RW-4
RW-5
RW-6
RW-7
RW-8
RW-9
RW-10
RW-12
RW-13
T
PE
AS
UC-2
DI
O

KEY:
- STEAM
- SANITARY SEWER
- DOMESTIC WATER
- RAW WATER

NOTE: ALL OTHER WATER LINES CAPPED BELOW GRADE AT FOUNDATION WALLS

FIGURE 2 (B124/129)